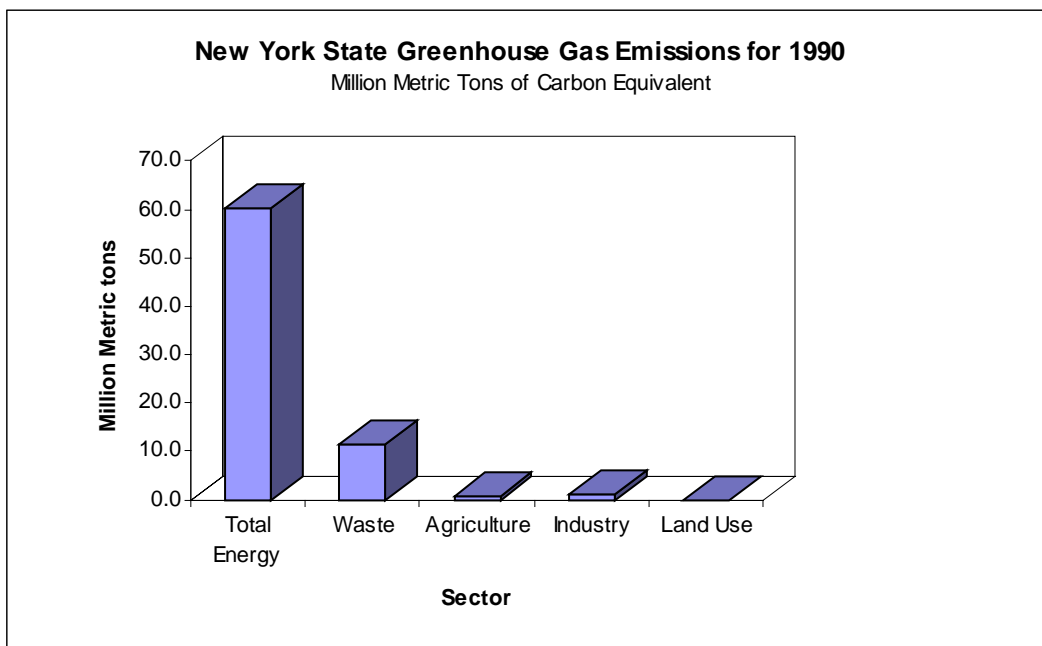


NEW YORK GREENHOUSE GAS EMISSIONS AND SINKS INVENTORY: SUMMARY



This report provides a detailed inventory of greenhouse gas emissions and sinks for New York state in 1990. Emissions were estimated using methods from EPA's 1992 guidance document ***State Workbook: Methodology for Estimating Greenhouse Gas Emissions***. In 1990, New York emitted 73.7 million metric tons of carbon equivalent (MMTCE). New York estimated emissions of 3.2 MMTCE from biomass fuels and from sources not covered in the workbook methodology.¹ Emissions from these sources are not included in the reported total or in the table below.

The principal greenhouse gases were carbon dioxide, comprising 222.6 million metric tons, and methane, with 2.1 million metric tons (12.1 MMTCE). Other emissions included 0.004 million metric tons of nitrous oxide (0.3 MMTCE), and almost 330 metric tons of perfluorocarbons (PFCs) (0.6 MMTCE).

The major source of carbon dioxide emissions was fossil fuel combustion (99%), the majority of which is due to utility coal. Minor emissions came from cement production (0.5%). Carbon dioxide sources or sinks from forest resources were not estimated in this inventory. Sources of methane emissions were landfills (96%), domesticated animals (3.3%) and manure management (0.5%). Nitrous oxide emissions were accounted for by fertilizer use.

New York state's emissions in 1990 were 4.1 MTCE per capita, compared to 1990 U.S. emissions of 6.4 MTCE per capita.

¹ These emissions include methane and nitrous oxide from energy, carbon dioxide from landfills, carbon dioxide and methane from burning of waste, methane from range cattle, and nitrous oxide from other fertilizers.

New York State Greenhouse Gas Emissions for 1990

BY SECTOR	CO ₂ (MMTCE)	Methane (MMTCE)	Nitrous Oxide (MMTCE)	PFCs (MMTCE)	Total GHG Emissions (MMTCE)
Energy - Residential	8.5	*	*	*	8.5
Energy - Commercial	6.4	*	*	*	6.4
Energy - Industrial	4.6	*	*	*	4.6
Energy - Transport	22.0	*	*	*	22.0
Energy - Utility	18.9	*	*	*	18.9
Total Energy	60.4	*	*	*	60.4
Waste	*	11.6	*	*	11.6
Agriculture	*	0.5	0.3	*	0.8
Industry	0.3	*	*	0.6	0.9
Land Use	0.0	*	*	*	0.0
TOTAL	60.7	12.1	0.3	0.6	73.7

All emissions are reported in million metric tons of carbon equivalent (MMTCE).

An asterisk (*) indicates that emissions of the gas from this sector were zero, insignificant, or not reported.

Emissions from biofuel combustion are excluded.